# NEW YORK FISH AND GAME JOURNAL

VOLUME 8

1961

# STATE OF NEW YORK

Nelson A. Rockefeller, *Governor*

## Conservation Department

Harold G. Wilm, *Commissioner*

J. Victor Skiff, *Deputy Commissioner*

Cecil E. Heacox, *Secretary*

## Division of Fish and Game

W. Mason Lawrence, *Assistant Commissioner*

Robert W. Darrow, *Editor*

# CONTENTS OF VOLUME 8

## NUMBER 1—JANUARY


Age and Growth of the Fluke in Great South Bay and Their Significance to the Sport Fishery ..... *John C. Poole* 1

Seeding Herbaceous Perennials in Forest Areas for Game Food and Erosion Control ..... *William L. Webb and Earl F. Patric* 19

The Upper St. Lawrence River Ice Fishery ..... *William A. Pearce* 31

Waterfowl Stocking in New York
*Donald D. Foley, Dirck Benson, Lee W. DeGraff and Earl R. Holm* 37

Effect of Light, Diet, and Age of Spawning Brown Trout upon Certain Characteristics of Their Eggs and Fry ..... *Richard F. Dumas* 49

The Toxoid of Clostridium Botulinum as a Means of Immunizing Pheasants Against Avian Botulism ..... *James R. Reilly and Daniel A. Boroff* 57

General Notes—A Method for Determining the Frequency of Winterkilled Deer Per Square Mile, *C. W. Severinghaus;* Laboratory Manufacture of Fish Baits for Experimental Purposes, *Howard A. Loeb and William H. Kelly* ..... 61


## NUMBER 2—JULY


Distribution and Mortality of Canvasbacks Banded in New York
*Lee W. DeGraff, Donald D. Foley and Dirck Benson* 69

Growth, Movements and Survival of Smallmouth Bass (*Micropterus dolomieui*) in Oneida Lake, New York ..... *John L. Forney* 88

Late Fall, Winter and Early Spring Foods of 141 Otters from New York
*W. J. Hamilton, Jr.* 106

Toxicity of 2-*Secondary*-Butyl-4,6-Dinitrophenol to Blacknose Dace and Rainbow Trout ..... *M. Lipschuetz and A. L. Cooper* 110

Evaluation of Certain Techniques for Judging the Age of Red Foxes (*Vulpes fulva*) ..... *James R. Reilly and Walter Curren* 122

Experimental Establishment of Food and Cover Plants in Marshes Created for Wildlife in New York State ..... *Frederick B. Emerson, Jr.* 130

Hepatoma and Visceral Granuloma in Trouts ..... *S. F. Snieszko* 145

General Notes—A Holding Pen for Varying Hares, *Greenleaf T. Chase;* Feeding Dyes to Carp, *Howard A. Loeb, William H. Kelly and Kenneth F. Stafford* ..... 150